



Foreign Agricultural Service

GAIN Report

Global Agriculture Information Network

Voluntary Report - public distribution

Date: 5/22/2003

GAIN Report #CH3072

China, Peoples Republic of
FAIRS Product Specific
Bottled Purified Potable Water: DRAFT FOR
COMMENTS
2003

Approved by:

Larry M. Senger

U.S. Embassy, Beijing

Prepared by:

Adam Branson

Report Highlights:

This is an UNOFFICIAL translation of the People's Republic of China DRAFT Standard for Bottled Purified Potable Water (GB17324) and should be used as a guide only. Exporters should carefully discuss regulations and their application with Chinese importers to ensure that their interpretation is accurate.

Includes PSD changes: No
Includes Trade Matrix: No
Unscheduled Report
Beijing [CH1], CH

This report was prepared by the Office of Agricultural Affairs of the USDA/Foreign Agricultural Service in Beijing, People's Republic of China. While every possible care was taken in the preparation of this report, information provided may not be completely accurate either because policies have changed since its preparation, or because clear and consistent information about these policies was not available. It is highly recommended that U.S. exporters verify the full set of import requirements with their foreign customers, who are normally best equipped to research such matters with local authorities, before any goods are shipped. **FINAL IMPORT APPROVAL OF ANY PRODUCT IS SUBJECT TO THE IMPORTING COUNTRY'S RULES AND REGULATIONS AS INTERPRETED BY BORDER OFFICIALS AT THE TIME OF PRODUCT ENTRY.**

Introduction

The People's Republic of China Ministry of Health (MOH) published DRAFT versions of several National Standards in August 2002 on the MOH website (www.moh.gov.cn). This document is an UNOFFICIAL translation of a DRAFT National Standard that appeared on that website.

The MOH has not published a final version to this DRAFT therefore, the previous Standard, if any, is still valid. National Standards that are abbreviated 'GB' and issued by MOH are compulsory standards that both domestic and imported goods must satisfy. MOH standards abbreviated 'GB/T' are voluntary.

At this time, U.S. industry and government officials are invited to offer comments on the DRAFT National Standard. Questions and comments should be submitted to the USDA/FAS International Trade Policy Office of Food Safety and Technical Services by fax (202-690-0677) or by email (ofsts@fas.usd.gov and roseanne.freese@usda.gov). Individuals/organizations offering comments are requested to provide copies of their comments to the U.S. Embassy Office of Agricultural Affairs by fax (86-10-6532-2962) or by email (AgBeijing@fas.usda.gov).

In order to facilitate comments regarding this regulation; please identify the regulation of concern and recommended changes by page, paragraph, and line before forwarding to FAS.

Once finalized, this Standard will substitute GB17324-1998 Hygienic Standard of Bottled Purified Potable Water

BEGIN TRANSLATION

Items noted in the translation of the Hygienic Standard of Bottled Purified Potable Water GB17324-XXXX.

- Hygienic standards in production and processing has been added;
- The name of this standard has been changed into Hygienic Standard of Bottled Purified Water for Drinking
- The appendix A of this standard is regulatory appendix.

This standard is drafted by the following organizations: Public Sanitation Supervision Institute of Tianjin Sanitation Bureau, Sanitation Supervision Institute of Liaoning province, Hangzhou Wahaha Group Co.Ltd, Beijing Food Hygienic Supervision and Inspection Institute, Guangdong Food Hygienic Supervision and Inspection Institute, Zhejiang Food Hygienic Supervision and Inspection Institute.

The draft persons of this standard are: Cui Chunming, Wang Xutai, Yu Ting, Xu Liufa, Yang Yuzhi, Wen Yan, Zhang Faming.

GB17324-XXXX Hygienic Standard of Bottled Purified Potable Water

1. Scope

This Standard defines bottled purified water for drinking, hygienic requirements, requirements during production and processing, and testing methodologies. This Standard applies to bottled purified potable water.

2. Referenced Documents

The clauses in the below standards, though referenced in this standard, have become clauses of this standard. All listed documents are applicable at the time of publication of this standard. However, all standards are subject to modification and the parties that apply this standard should study the possibility of using the recent versions of the following standards.

GB 191	Labels for Packaging, Storage, and Transportation
GB/T 4789.21	Food Hygiene Microbial Assessment for Inspection of Frozen Drinks and Beverages
GB 5738	Inspection Methods for Natural Potable Mineral Water
GB 5749	Hygienic Standard for Potable Water
GB 5750	Inspection Methods of Hygienic Standard for Potable Water
GB 7718	National Standard for Food Labeling
GB 8538	Inspection Methods for Natural Mineral Water for Drinking
GB 17323	Bottled Purified Potable Water

3. Definitions

The following definitions apply to this standard:.

Bottled Purified Potable Water:

Directly drinkable water sealed in container without any additives. It is obtained by means of electro dialysis, ion exchange, reverse osmosis, distillation and other proper method; material is water meeting the hygienic standard of potable water for drinking.

4. Standard Requirements

4.1. Requirement of Raw Materials

The water as raw material shall conform to specifications in GB5749.

4.2. Sensory Requirements

The sensory requirements shall conform to the specifications in Table 1.

Table 1. Sensory Requirements

Items	Requirements
Degree of color #	5, no other colors
Turbidity, NTU #	1
Taste and smell	No abnormal odor nor smell
Visible objects to naked eye	Must not be detected

4.3 Physical Requirements

The physical and chemical requirements shall conform to the requirements in Table 2.

Table 2. Physical Requirements

Items	Requirements
pH value	5.0 - 7.0
Electrical conductivity (at 25 ± 1 degree Centigrade), microS/cm #	10
Consumption quantity of potassium permanganate (O ₂), mg/L #	1
Chloride, (Cl ⁻), mg/L #	6
Nitrite (NO ₂ ⁻), mg/L #	0.002
Carbon tetrachloride, mg/L #	0.001
Lead (Pb), mg/L #	0.01
Total arsenic (As), mg/L #	0.01
Copper (Cu), mg/L #	1
Cyanide ^a , mg/L #	0.002
Volatile hydroxybenzene (phenol) ^a , mg/L #	0.002
Trichloromethane, mg/L #	0.02
Free chlorine (Cl ⁻), mg/L #	0.005
^a Only applies to distilled water	

4.4. Microbial Requirements

The Standard of microbial requirements shall meet the requirements in Table 3.

Table 3 Standard of Microbial Requirements

Items	Requirements
Total number of colony, cfu/ml #	20
Coli-group, MPN/100 ml #	3
Fungus and yeast cfu/ml #	Must not be detected
Pathogens (salmonella, shiga's bacillus, staphylococcus aureus)	Must not be detected

5. Hygienic Requirements for Production and Processing

Shall conform to the specifications described in Appendix A.

7. Packaging

The packing container and material shall conform to the relevant hygienic standards and regulations.

8. Labeling

The identification requirements for casehardened packages shall meet the regulations in GB7718. The signs on the outer packing boxes of products shall be in accordance with the regulations in GB191.

9. Storage and Transportation

9.1. Storage

The product shall be stored in a dry and ventilated place. Product cannot be stored with any poisonous or harmful materials that could influence product quality.

9.2. Transportation

The product shall be protected from exposure to the sun and rain when transported. Product cannot be transported with poisonous or harmful materials that could influence product quality.

10. Testing Methodology

10.1. Sensory Inspection

The inspection shall be carried out according to methods specified in GB/T8538.

10.2. Physical and Chemical Inspection

10.2.1. pH value, Electrical Conductivity, Potassium Permanganate Utilization, and Chlorides Shall be determined according to the method specified in GB17323.

10.2.2. Free chlorine, Arsenic, Lead, Copper, Cyanide, Nitrite, Volatile Hydroxybenzene, Trichloromethane, and Carbon Tetrachloride

Shall be determined according to methods specified in GB5750.

10.3 Microbial Inspection

Shall be determined according to methods specified in GB/T 4789.21.

Appendix A

GB17324-XXXX Guidelines for Hygienic Standard of Bottled Purified Potable Water

A.1. Purpose

This guideline is proposed on the basis of the “Food Hygienic Law of the People’s Republic of China.” The purpose of this guideline is to direct the production of bottled purified water for drinking and make it conform to hygienic requirements and ensure public health.

A.2. Scope

Bottled purified water for drinking is directly drinkable water sealed in a container without any additives. It is obtained by means of electro dialysis, ion exchange, reverse osmosis, distillation and other proper method. The material meets the Hygienic Standard of Potable Water.

A.3. Guidelines

1. The design of newly expanded or restructured manufacturer buildings shall conform to regulations specified in GB 14881.
2. Water treatment workshop shall be sealed, the encapsulation workshop shall be sealed with air cleaning devices, the air cleanness shall reach level 1000, and automatic encapsulation shall be adopted.
3. Equipment, pipes, tools, non-toxic, corrosion-resistant, and easily cleaned materials shall be used to make instruments and water storage devices. The surface shall be smooth without indentation, denudation, seams, sharp angles, and shall be easy to clean and sterilize. The storage tank shall be easy to fill. The storage tank shall prohibit the formation of stagnant water and microbial contamination.
4. The packing materials shall conform to related national hygienic standards. Recycled bottles (excluding barrels) are strictly prohibited. Strictly cleaned and sterilized automatic equipment shall be utilized before encapsulation.
5. Effective sterilization shall be conducted. The total number of colony, Coli-group and residual medicines shall not be detected.
6. Staff must pay attention to personal hygiene. Staff must wear clean working suits, caps and shoes before entering the workshop. The working suit shall cover the coat and hair must be completely covered by cap. Staff that enters the encapsulation workshop must change suits a second time and wear masks.
7. The purified water manufacturer shall establish its own sanitation management organization with certified inspectors. A qualified inspection room matching the production ability shall be set up to carry out product inspection. Sensory inspection requirements, pH value, electrical conductivity, total number of colony and Coli-group must be inspected in each batch of products. Only qualified products can be out of factory.
8. Purified water manufacturers shall frequently inspect the material water, and carry out a complete annual inspection according to GB 5749. As to purified water, 2 complete inspections shall be conducted on the basis of this Standard in addition to routine inspection of each batch. In case manufacture is stopped, the complete inspection shall be carried out before reopening. Inspection reports should be stored for future inspection by food sanitation inspection organizations.
9. The bottled purified water for drinking must conform to regulations specified in the “Food

Hygienic Law of the People's Republic of China" as well as GB 7718. The text "Purified Water" shall be marked in addition to product name. Purified water not produced by distillation techniques cannot be marked as "Distilled Water".

END TRANSLATION